



MASTER FILE

July 13, 1999

DSSD CENSUS 2000 PROCEDURES AND OPERATIONS MEMORANDUM SERIES #DD-4

MEMORANDUM FOR Howard Hogan
 Chief, Decennial Statistical Studies Division

Through: Deborah H. Griffin *DHG*
 Decennial Statistical Studies Division

From: John Hilton and Erin Whitworth
 Decennial Statistical Studies Division

Subject: Estimates of Workload for a Targeted Telephone Reinterview
 Operation.

I. INTRODUCTION

The Census Bureau had considered performing a telephone reinterview on a set of "targeted" households as a part of the Coverage Edit Follow-up program. The interviewer would review the Census Roster, probe for omissions and erroneous inclusions and collect data, when necessary. Both AREAS and HOUSEHOLDS with high rates of expected undercoverage would be targeted in this reinterview. It was proposed that the Planning Database, developed and maintained by the Population Division, be used to identify the areas most likely to exhibit higher than average rates of undercoverage. Additional criteria were being researched to assess their value in targeting households with higher than expected rates of coverage error. Recently it was determined that this operation will not occur in Census 2000. This memorandum documents some of the research, including workload estimates.

II. RESULTS

The estimates of workload were obtained by merging the Planning Database with more detailed information from CENSAS, a 1990 Census data-access tool. We examined more closely the number of people in the household and the relationship between Person 1 and other household members. The following list defines the specific edits that were researched, and the workload estimates follow.

- Edit 1: Households where the count of persons is greater than 3 and less than 7 **and** at least one person is not related to person 1
- Edit 1-LHH: Same as Edit 1 without the “less than 7” restriction
- Edit 2: Households where the count of persons is greater than 2 and less than 7 **and** at least one person is a son/daughter **and** no person is either a spouse or unmarried partner
- Edit 2-LHH: Same as Edit 2 without the “less than 7” restriction
- Edit 3: Households where the count of persons is greater than 5 **and** the household was enumerated in Non-Response Follow-Up

Based on 1990 data, approximately 10 million households nationally would have failed edits 1, 2, and 3. Please note that there may be some overlap among these three edits. See Table 1 for details:

Table 1: ALL TRACTS

Type of Edit	Number of Housing Units	Percent of all Housing Units
Edit 1	3,379,190	3.2
Edit 2	5,625,278	5.4
Edit 3	1,297,912	1.2

The Decennial Studies Statistics Division had proposed limiting the reinterview universe to households in Hard To Enumerate (HTE) tracts, which are defined as areas that have socioeconomic and housing characteristics that, in the aggregate, are associated with enumeration difficulty. If these edits were applied in HTE tracts with scores of 70 or greater, the total workload (based on 1990 data) for a targeted reinterview would be approximately 2.3 million households (Edit 1 + Edit 2 + Edit 3). Including the large households in the targeted reinterview would yield an estimated workload of approximately 2.7 million households (Edit 1-LHH + Edit 2-LHH + Edit 3). Again, this is an upper bound on the workload since these edits may overlap. Tracts with HTE scores greater than or equal to 70 represent approximately 13 percent of all tracts nationwide. See Table 2 for details.

Table 2: TRACTS WITH HTE \geq 70

Type of Edit	Number of Housing Units	Percent of all Housing Units	Percent of Housing Units in Tracts with HTE \geq 70
Edit 1	651,357	0.6	5.8
Edit 1-LHH	883,313	0.8	7.9
Edit 2	1,325,293	1.3	11.8
Edit 2-LHH	1,448,095	1.4	12.9
Edit 3	356,700	0.3	3.2

cc:

DSSD Census 2000 Procedures and Operations Memorandum Series Distribution List

D. Griffin (DSSD)

S. Ammenhauser

D. Sheppard